

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Original) A process for the extraction of ethanol from a solution, characterized by bringing the solution into contact with a bed of salt, whereby the salt adsorbs ethanol from the solution, removing the solution from the salt bed, heating of the salt bed in order to release the ethanol adsorbed thereby as vapour and collecting the ethanol.

2.(Currently Amended) A process according to Claim 1, ~~characterized in that~~ wherein the salt is $\text{Mg}_3(\text{PO}_4)_2$.

3.(Currently Amended) A process according to Claim 1 ~~or 2, characterized in that~~ wherein the salt preferentially adsorbs ethanol molecules from a low-grade ethyl-alcohol solution, whereby high-grade ethanol can be obtained from the low concentration alcohol solution, in a one-step process.

4.(Currently Amended) A process according to ~~any of Claims 1-3, characterized in that~~ claim 1, wherein the solution consists of a low-grade ethyl-alcohol liquid which has been separated from a mash.

5.(Currently Amended) A process according to ~~any of Claims 1-4, characterized~~ claim 1, wherein by passing a flow of the solution through the bed, sensing the ethyl-alcohol content of the solution leaving the bed, and stopping the input flow to the bed when the sensed alcohol content of the solution leaving the bed significantly raises above 0%, and collecting the solution leaving the bed and having an alcohol content of about 0%.

6.(New) A process according to Claim 2, wherein the salt preferentially adsorbs ethanol molecules from a low-grade ethyl-alcohol solution, whereby high-grade ethanol can be obtained from the low concentration alcohol solution, in a one-step process.